

## FACT SHEET

July 14, 2008

**Applicant:** City of New Iberia & Iberia Parish Sewer District No. 1  
800 Sucrose Drive  
New Iberia, Louisiana 70560

**Agency Interest Number:** AI 81031  
**TEMPO ID#:** 20080002  
**Draft Permit Number:** LASS081031

**A. Application Type:** Sewage Sludge and Biosolids Use or Disposal Permit.

**B. Permit Action:** Draft Sewage Sludge and Biosolids Use or Disposal Permit Package.

NOTE: The City of New Iberia & Iberia Parish Sewer District No. 1 is presently operating under a Solid Waste Beneficial Use Permit that was issued on March 5, 2002 for the land application of Class B Biosolids to agricultural land in Iberia, Lafayette, and St. Martin Parishes.

**C. Preparation Process:**

The city of New Iberia & Iberia Parish Sewer District No. 1 will prepare 468.34 dry tons/year of sewage sludge generated by the City of New Iberia at the Sucrose Drive WWTP and 176.18 dry tons/year of sewage sludge generated by the Sewer District #1 of Iberia Parish at the Tete Bayou WWTP. The sewage sludge at both the Sucrose Drive WWTP and the Tete Bayou WWTP undergoes partial treatment in Aerobic Digesters followed by de-watering and solidification by the use of a Belt Press. The de-watered sewage sludge undergoes final preparation/treatment through alkaline stabilization at a facility located at the Tete Bayou WWTP at 200 Parker Street, in New Iberia, Iberia Parish, Louisiana.

**D. Use or Disposal Option:**

The Class B Biosolids will be beneficially reused through land application at the following agricultural land application sites:

NAME OF SITE	LATITUDE	LONGITUDE	SECTION(S)	TOWNSHIP	RANGE
Floyd Gautreau Property	29° 57' 45"	91° 52' 24"	28, 29, & 87	12 S	6 E
Guilliot Property	30° 03' 37"	91° 59' 39"	30	11 S	5 E
Vaufrey Farms, Inc. Property	29° 53' 32"	91° 41' 41"	22 65 & 66	13 S 13 S	7E 8E
Jeanette Ann Smalley Property	30° 03' 10"	91° 59' 38"	30	15 S	5 E
Melvin Douet Property	30° 11' 53"	91° 50' 08"	61, 62, 63, & 64	10 S	6 E

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**E. Pollutant Limits:**

Class B Biosolids shall not be applied at the City of New Iberia and Sewer District #1 of Iberia Parish Land Application sites if the concentration of any pollutant in the Class B Biosolids exceeds the ceiling concentration for the pollutant in Table 1 below.

Table 1	
Ceiling Concentrations	
Pollutant	Ceiling Concentration (milligrams per kilogram) <sup>1</sup>
Arsenic	75
Cadmium	85
Copper	4300
Lead	840
Mercury	57
Molybdenum	75
Nickel	420
Selenium	100
Zinc	7500
<sup>1</sup> Dry weight basis	

The concentration for each pollutant in the Class B Biosolids shall not exceed the concentration for the pollutants in Table 2 below prior to land application at the City of New Iberia and Sewer District #1 of Iberia Parish Land Application sites.

Table 2	
Pollutant Concentrations	
Pollutant	Monthly Average Concentration (milligrams per kilogram) <sup>1</sup>
Arsenic	41
Cadmium	39
Copper	1500
Lead	300
Mercury	17
Nickel	420
Selenium	100
Zinc	2800
<sup>1</sup> Dry weight basis	

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**F. Pathogen & Vector Attraction Reduction Requirements:**

The city of New Iberia & Iberia Parish Sewer District #1 will utilize the following for pathogen & vector attraction reduction:

Pathogens - Class B – Alternative 2 as described at LAC 33:IX.7309.C.2.c and as described in Appendix L at LAC 33:IX.7399.A.5 for Lime Stabilization shall be utilized for the control of pathogens in the sewage sludge for the preparation of the Class B Biosolids.

Vector Attraction Reduction - Alkaline Treatment as described at LAC 33:IX.7309.D.2.d shall be utilized by City of New Iberia and Sewer District #1 of Iberia Parish for Vector Attraction Reduction.

**G. Monitoring and Sampling & Analysis:**

All samples and measurements taken for the purpose of laboratory analysis shall be representative of the monitored activity and shall be in accordance with the methods referenced in LAC 33:IX.7301.I.

The permittee shall sample and analyze representative samples of the untreated sewage sludge and of any material, except Agricultural Grade Lime, that is to be added, blended, or mixed with the sewage sludge during the preparation of the Class B Biosolids for the parameters listed and at the frequency indicated in Table 3 below.

<b>Table 3</b> <b>Raw Sewage Sludge and Materials<sup>1/</sup> Added, Blended, or Mixed with the Sewage Sludge</b> <b>(Hazardous Characteristics Testing)</b>	
<b>Parameter</b>	<b>Sampling Frequency</b>
<u>TCLP</u>	Once/Year
Metals (As, Ba, Cd, Cr, Pb, Se, Ag)	
Hg	
Volatile Organics	
Semi-Volatile Organics	
Pesticides	
Herbicides	
PCB (Total)	Once/Year

<sup>1/</sup>Any material, except Agricultural Grade Lime, that is to be added, blended, or mixed with the sewage sludge must be sampled and tested prior to adding, blending, or mixing with the sewage sludge.

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The permittee shall sample and analyze representative samples of the Biosolids prepared by the City of New Iberia and Sewer District #1 of Iberia Parish for the parameters listed in and at the frequency indicated in Table 4 below prior to the land application of the Class B Biosolids:

Table 4 Class B Biosolids	
Parameter	Sampling Frequency
Arsenic, Cadmium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Zinc (All on a Dry Weight Basis)	Once/Quarter (4 times/year)
pH at 2 hours of Alkaline treatment/stabilization	Once/Quarter (4 times/year)
pH after 22 hours of Alkaline treatment/stabilization	Once/Quarter (4 times/year)

The city of New Iberia & Iberia Parish Sewer District No. 1 of Iberia Parish opted to perform soil sampling in lieu of the development of a Full Nutrient Management Plan.

Substitution for a Full Nutrient Management Plan as per LAC 33:IX.7303.D.4.b. shall be as follows:

Sampling of the soil at each site where Biosolids will be land applied for the following parameters:

- a) Total Kjeldahl nitrogen
- b) Total nitrates
- c) Total nitrites
- d) Total phosphorus
- e) Total potassium
- f) pH

The sampling of the parameters above shall be on an annual basis, or, if double cropping is practiced, prior to the planting of each crop.

#### **H. Reporting:**

The permittee shall submit reports to the administrative authority as indicated below:

- a. The annual amount of sewage sludge generated at the facility shall be reported on February 28<sup>th</sup> of each year.
- b. The annual amount of sewage sludge that is prepared into a Class B Biosolids shall be reported on February 28<sup>th</sup> of each year.

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- c. The annual amount of Class B Biosolids that is land applied shall be reported on February 28<sup>th</sup> of each year.
- d. The reporting for the parameters listed in Table 3 above shall be once per year on or before February 28<sup>th</sup>.
- e. The reporting for the parameters listed in Table 4 above shall be as indicated in Table 5 below:

Table 5	
Reporting Class B Biosolids Land Application	
Monitoring Period <sup>1</sup> (Once per Quarter)	Report Due Date
January, February, March	August 28
April, May, June	
July, August, September	
October, November, December	February 28
<sup>1</sup> Separate reports must be submitted for each monitoring period.	

- f. The results of the soil nutrient sampling shall be reported on February 28<sup>th</sup> of each year.

#### **I. Other Pertinent Information:**

**March 14, 2008:** The city of New Iberia & Iberia Parish Sewer District #1 submitted a Sewage Sludge and Biosolids Use or Disposal Permit Application for the land application of a Class B Biosolids. However, the information in the application was only for a new site being added for pastureland in St. Martin Parish; namely, the Douet Property.

**March 28, 2008:** The city of New Iberia & Iberia Parish Sewer District #1 submitted a request to the Water Permits Division to have the Division utilize the material in the original Beneficial Use Solid Waste Technically Complete Permit Application that is being utilized as part of the present Beneficial Use Permit for its remaining original land application sites and to incorporate those sites in the drafting of the new Sewage Sludge & Biosolids Use or Disposal Permit. The sites are (1) Guilliot Property, (2) Smalley Property, (3) Gautreaux Property, and (4) Vaufrey Farms Property. Due to the fact that (1) the Water Permits Division is converting from the Beneficial Use Permit to a Sewage Sludge & Biosolids Use or Disposal Permit, (2) no changes have been made to the sites, and (3) the information that had been submitted in the original Beneficial Use Solid Waste Technically Complete Permit Application was sufficient to respond to the present permit application, the Water Permits Division made an internal decision to utilize the Technically Complete application rather than have the city of New Iberia & Iberia Parish Sewer District #1 resubmit the same information under the present Sewage Sludge and Biosolids Use or Disposal Permit Application.

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**May 9, 2008:** A completed review of all the information submitted by the city of New Iberia & Iberia Parish Sewer District #1 indicated that the information was sufficient except for information and documentation that was needed to reflect the abandonment of the Admiral Doyle Drive WWTP and the usage of the new Sucrose Drive WWTP.

**May 15, 2008:** The city of New Iberia & Iberia Parish Sewer District #1 was notified (via email) that that information and documentation was needed to reflect the abandonment of the Admiral Doyle Drive WWTP and the usage of the new Sucrose Drive WWTP.

**May 15, 2008:** The city of New Iberia & Iberia Parish Sewer District #1 submitted the needed sewage sludge information and documentation to reflect the closure of the Admiral Doyle Drive WWTP and the usage of the Sucrose Drive WWTP. After receipt of this final information, work was begun on the development of a Draft Permit package.

**July 14, 2008:** A Draft Permit package was completed. The Water Permits Division prepared the Draft Permit to be in accordance with LAC 33:IX.7301.D.1.a.ii that requires the administrative authority to reissue a Louisiana Sewage Sludge and Biosolids Use or Disposal Permit to replace the Standard Solid Waste Beneficial Use Permit, P-0352 that was issued to the city of New Iberia and Iberia Parish Sewer District #1 on March 5, 2002 and to add a new land application site (Douet Property – St. Martin Parish).

**July 18, 2008:** The Fact Sheet and other material needed in the Draft Permit Package were completed.

**July 22, 2008:** The package was routed for review and approval.

Package Prepared By: J. Kilren Vidrine, DCL-A  
Water Permits Division